

TO:

Personnel Commission

FROM:

Jeanne Greene, Director  
Department of Personnel

Refer: August 11, 2006, Agenda

Item: VIII - A

The Department of Personnel has completed an occupational review of the Engineering & Allied occupational group.

It is recommended that the establishment of the following class specification be approved effective July 1, 2007, pending funding by the Legislature:

Engineering Subgroup

*Professional Engineering Specialist, P.E.*

## **Basis for Recommendation**

### *6.231 Professional Engineering Specialist, P.E., Grade 42*

The Nevada Department of Transportation (NDOT) identified a new level of work performed by professional engineers. These positions function as technical experts in an assigned area of specialization such as roadway design, hydraulics, materials or structural design. Their duties require advanced education, knowledge, skills and abilities that enable the incumbents to advise management, engineering professionals and technical staff on contract interpretations and implementation, conceptual design alternatives analyses, and specialized research and analysis. These positions function outside the scope of the Professional Engineer class.

As a result, the Department of Personnel recommends establishment of a new class to recognize the advanced level duties and responsibilities. With the assistance of subject matter experts and through the validation process, we developed knowledge, skills and abilities and minimum qualifications required to perform the specialized duties and responsibilities of the class. This class requires licensure from the Nevada State Board of Professional Engineers and Land Surveyors. The minimum qualifications require a Master's degree in civil engineering or closely related field and licensure as a Professional Engineer which included practical experience relevant to the assignment; OR a Bachelor's degree in civil engineering, completion of 12 units of graduate level coursework relevant to the assignment, licensure as a Professional Engineer, and one year of professional post-licensure civil engineering experience.

It is recommended the new Professional Engineering Specialist, P.E. class be allocated at grade 42, two grades above the Professional Engineer to recognize the advanced technical expertise and research and analysis responsibilities of the class.